CERTIFICATE OF ELECTRONIC TRANSMISSION 37 C.F.R. § 1.8

I hereby certify that this correspondence is being electronically filed with the United States Patent and Trademark Office via EFS-Web on the date below:

September 12, 2011 Electronic signature: / Melissa L. Sistrunk / Melissa L. Sistrunk (Reg. No. 45,579

Docket No.: HO-P02936US1

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Johan Engström et al.

Application No.: 10/587,428 Confirmation No.: 8156

Filed: April 18, 2007 Art Unit: 1774

For: FLOW PATHS COMPRISING ONE OR TWO

POROUS BEDS

Examiner: Seifu, L.T.

RESPONSE TO OFFICE ACTION OF MARCH 15, 2011

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

This submission is in response to the Office Action of March 15, 2011 ("the Action"). Applicants hereby petition for an extension of time of three months under 37 CFR § 1.136(a) and provide the requisite fee.

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.